

## Bethlehem Landfill Committee Meeting Minutes

Date: Thursday, May 21, 2020, **Via Zoom**  
Time: 1:00 p.m.  
Location: Lower Saucon Township  
Attendance: **Hanover Engineering**: Scott Brown; **Bethlehem Landfill**: Astor Lawson & David Pannucci; **Members**: Hazem Hijazi; **Staff Members**: Leslie Huhn & Diane Palik; **Council Liaison**: Priscilla deLeon; **Absent**: Neil Ortwein. Thomas Carocci, Council member was also present.

Mr. Pannucci reviewed the monthly tonnages for April:

	<u>February</u>	<u>March</u>	<u>April</u>
MSW	23,895.47	23,525.30	27,660.89
C&D	3,876.36	5,013.90	4,615.32
Residual (Total)	1,560.39	2,413.10	1,415.94
Asbestos	0.00	0.00	0.00
Sewage Sludge (90/10)	90.60	99.10	160.57
Out of State (Total)	20,829.83	23,125.10 (74%)	21,694.90 (64%)
Recycle	11 (81%)	11 (91%)	13 (77%)

Mrs. deLeon asked what were the other month's average daily tonnage. If you accepted everything according to the amount you could take, is that closer to the amount? Mr. Pannucci said 1,375 is the quarterly average that they can do per day. He doesn't have that information in front of him where they stand but in the end of 2022, we need to be at that 1,375 per day. Mr. Lawson said right now their quarterly average is at about 1,313 so they are still about 70 tons below for quarter two.

Mr. Pannucci said there were six Form U's from April 27 through May 19, 2020. Mr. Brown said at the TCC meeting on Tuesday the committee was wondering if there was any DEP policies on the COVID waste, anything special we should know about. Mr. Pannucci said they never got anything from the DEP in regards to any special handling procedures or policies in place. They really haven't taken any waste from anything that was COVID labeled. The guys are on the lookout for any medical waste that is coming in the normal loads they receive. If they do find anything that is out of place or something that needs to be handled as red bag waste, they will package it up in a bag and keep it in a lock box at the facility and properly dispose of it by an approved hauler. That's how they are handling it in-house. Mrs. deLeon said no state guidelines, you are just kind of winging it? Mr. Pannucci said they are not winging it. They've had some discussions how to internally handle the waste and they are trying to be a little more cautious and if they see something in the loads, they get it properly removed.

Mr. Hijazi said that's a concern for the operational and health and safety of the employees. Mr. Lawson said we have a responsibility to keep them safe and we are diligent about checking in with what they see. If they see anything that is unsafe, we grab it and put it aside and store it separate and have it picked up by the proper handler. Mr. Hijazi said there is no concern that this virus could propagate through waste disposal, through long-term effect on the Township, it's more of a person-to-person impact to the operators and people handling that stuff. Mr. Pannucci said Astor and Phil have made a lot of changes here to protect the employees, whether it's out in the field or in the day-to-day eating their lunch. They are practicing social distancing and making sure things are clean so they don't contract the virus. That's priority number one for them right now. Mrs. deLeon said continue to be safe.

Mr. Pannucci said Annual Groundwater Trend Analysis, second quarter sample event is scheduled for May 26 – 28, 2020. They dropped off the 4Q19 quarterly facility report at the Township office last week. Mrs. deLeon said we just received this recently, isn't it a little late. Mr. Pannucci said with the virus, we haven't been in the office and neither have most of your employees. It's been at their office, but they didn't know how to get it to the Township so they communicated with the Township office to see how to get it over there. Mrs. deLeon said the TCC's had a meeting and it could have been reviewed. Mr. Pannucci said with the virus, they work under different circumstances and a little more challenging. When things get back to normal, they will get it to the Township on time. Mrs. deLeon said how can you assure us that your day-to-day operations are running smoothly then. Mr. Pannucci said he's been working from home as he's not a day-to-day operator, so he didn't get you the binder.

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Astor and everyone is working everyday as they normally would, so we have full competence the day-to-day operation is running just fine. As far as getting the binder over there, it fell through the cracks on his end as he wasn't in the office.

Mr. Pannucci said they had a DEP meeting on April 24, 2020 with Jennifer Cimera of Solid Waste. There were host municipal inspections by Scott Brown on May 7 and May 21, 2020.

Mr. Pannucci said Commercial Waste Trucks in April were 2,687 trucks, 78 overweight's, 62 warnings, and 16 suspensions. Mrs. deLeon said the waste goes up and all these numbers usually go up with them. Again, you guys do a good job of trying to control the overweightness of the trucks, but once they get into your facility, they need to be logged in. Mr. Carocci said if they are overweight, you wouldn't want to send them back out. Mrs. deLeon said it's against the law to do that. She's complimenting the landfill as they have this policy in place forever of having the warnings and suspensions and trying to deter the drivers from coming in overweight. She's just throwing in a compliment.

Mr. Pannucci said flare operations and gas collection, the April average flare flow was 3,023 SCFM. Mr. Brown said another thing that came up at the TCC meeting was the complaints that get logged in to DEP, sometimes the people are calling after hours, and DEP doesn't see them until the next morning, and right now they aren't even in the office with the COVID to get the calls. As we talked this morning, Astor mentioned having the residents call him directly and that could be in addition to letting the Township and DEP know. Is there any way to leave that to the residents? You can get there an hour after the call and the wind shifts and it could be gone. One thought is they could call Mr. Lawson. Mrs. deLeon said it's a great idea but it's hard enough to get the residents to make one phone call. That would be great if they would do that. Mr. Lawson said as long as they know that's an option, they call the DEP and they feel like giving him a call, they are welcome to. Mrs. deLeon said do we have that on our website. Mrs. Huhn we'll have to look. If they are calling DEP after hours and don't leave a message, or wait for the answering machine, then like Scott is saying, its days later, how do you investigate that? If they can call and somebody is at the landfill, that's more of real time response period. People have called Mrs. deLeon but if they are days ago, it's noted, but there's not a way to investigate it. Mrs. deLeon said most of the time she discovers these odor complaints on the Steel City Facebook page. People aren't happy about that. When she calls DEP, it's normally after 4 p.m. so they are gone by that time, and it's intimidating when you call and you get an answering machine. Mrs. Huhn said she doesn't know how to alleviate that if they are posting on Facebook because it's a closed group. Mrs. deLeon said they say they called DEP and they are also letting the other residents know. Mrs. Huhn said okay, it's logged that way. Mrs. deLeon said the landfill is already on that Facebook page. Mr. Lawson said they have some people on that page. Mrs. deLeon said she doesn't know the answer. If the resident doesn't call DEP, there is no action done.

Mr. Carocci said do we know how other landfills in the area handle odor complaints. They call DEP obviously. Mr. Brown said when he used to take care of Chrin, they would call the Township and they would follow up with DEP to report it. Because of DEP's lack of response time, they are short-staffed too and don't always get out there on a timely manner. Mr. Carocci said did the Chrin Managers give out their personal cell phone numbers for residents to call. Mr. Brown said he doesn't know, it's been a while since he's been at the Chrin landfill, so he doesn't remember. Mrs. Huhn said we have on the website they should first call DEP, then also call the landfill. Mr. Pannucci said from the landfill perspective, if you look at the odor logs and the DEP log, there's a large portion of the complaints happening during working hours where they could easily have had someone from the landfill jump in a truck and head right to that spot and see where it's coming from and try to identify what's going on and try to rectify the situation. They definitely encourage communication of the residents to the landfill whether it's during working hours or not. If they don't know about it in real time, there's not much they can do about it. Mrs. deLeon said could you put a brief memo together and she can post it on the Steel City Facebook page and that way the residents can call. She knows they care and she appreciates this. It's important that DEP gets called but the landfill would like to know about it as they may respond faster than DEP. Maybe the Township can then send out a Constant Contact notice. It's not just Steel City, there's a radius. Mr. Pannucci said they'll put some short memo together.

Mr. Pannucci said North Slope road has not needed repairs. The swale has not needed repairs. The abatement system continues to operate and discharge to the Bethlehem WWTP. Intermittent malfunctions of the well pumps and controls are repaired and replaced as needed. AB-1 has been replaced with AB-1R. AB-1R is currently operational and flow meter was replaced on AB-10.

Mr. Pannucci said the leachate collection flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. Mr. Brown said Laressa brought up at the TCC meeting LMC-7 primary flows February 19<sup>th</sup> and the subsequent weeks were higher and then in the 900 range, is there a reason for it to be that high. Mr. Pannucci said it didn't jump out as being significantly higher. Mr. Brown said four or five months before February it's in the 300, 400, 600 range, and then it spiked up. He didn't know if that was due to the cell construction activity. Mr. Pannucci said he didn't think so. Back in May of last year it was in the 800's, 900's as in springtime you get more rain. That's the only logical explanation would be the rainwater and increase in flow in the spring.

Mrs. deLeon said jumping back to the abatement system, it's an old system, what's the timeline on that and do you know when you are going to discontinue that abatement process. Mr. Pannucci said right now they don't have a timeline. They just operate and from his standpoint, they aren't going to turn it off. Mrs. deLeon said it has improved the groundwater in that area. Mr. Brown said there is a process the landfill could go through if the chemical readings are staying below a certain range. He's not sure of all the details. Mr. Pannucci said they did it at one of their other sites, but right now they are just operating like this.

Mr. Pannucci said there was one radioactive load for April (I-131). This waste stream met level 1 requirements and was disposed on site. Waste operations are currently in SE-1B.

Mr. Pannucci said the odor complaint log is attached. Mrs. deLeon said she noted on the odor complaint log and going by her list of when she called in, there were a couple of people on Saucon Avenue, not only herself. She knows one of the dates isn't on DEP's log. Mr. Pannucci said just call DEP and report it to them. Amy Faulch would be the best person to reach out to.

Mrs. Huhn said at the TCC meeting, we talked about the BRE shutdown. She asked Mr. Pannucci when that is to be dismantled. Mr. Pannucci they brought this up in other meetings, and they are kind of in a legal battle with them at the moment over some contractual issues. Mrs. Huhn said the question came up if there was an agreement and anywhere in an agreement once it was shut down if there was a timeframe that it had to be removed. Mr. Pannucci said it's all part of the legal aspect. That's where it's at right now with the virus and the court process is a lot slower. Mr. Hijazi said do they have any waste on site at BRE. Mr. Pannucci said he's pretty sure they don't have condensate in that tank and they cleaned it out. Mrs. Huhn said we talked about that before and it was all removed.

Mrs. deLeon said she found another odor complaint that isn't on the DEP log. Yesterday there was one on Facebook. She's not sure what day the DEP went up to. Mr. Lawson said he'd have to check out the Facebook page.

Mr. Carocci said he'd like the meetings held at night like the other meetings are held. He thinks more public would attend, and knows Donna Louder would attend. Mrs. deLeon said we've been meeting at this time since 1988. Mr. Carocci said maybe it's time for a change. Mrs. deLeon said we are going to change our meeting schedule. Mr. Carocci said there's a reason why the Fire Services meeting, Planning, Zoning, and EAC meetings are at night, they are better attended by the public. You'd get better attendance then. He said Donna Louder agrees with him and the majority of Council agrees. If we have to make it a motion at the next meeting, we will. Mrs. deLeon said all of our information is on our website and if anybody has a question, they can send a question into Leslie and we will be more than happy to respond. Mr. Carocci said there will be three votes to have the meeting at night.

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Mrs. deLeon said she's not happy about that. Respectfully a committee should be able to make their own meeting dates and times. She asked the Landfill personnel their thoughts. Mr. Pannucci said they'll do whatever they need to do. Mr. Lawson said they can make arrangements. Mr. Hijazi said it doesn't matter, he's used to it at this time at 1:00 p.m. Mr. Lawson said they are flexible. Mrs. deLeon said she's flexible too, she'd never tell the ZHB or the P/C, or the EAC that they have to as a Council person. It's always like a Robert's Rule thing, you do it when it's convenient for the members. Having the landfill be there, it's taking you away from work, and you're closing up the landfill at night. Mr. Lawson said that's true, that's when they are usually finishing up. Mrs. deLeon said this is all for one person.

Mr. Pannucci said he's finished with the report. Mr. Brown said we talked about LMC-7 issue and if Laressa has any more questions, he'll let them know. It does look like in February and March they can correlate that with rain events, but you look back at 2019 and beginning of May to end of May, there were 850, 950 and it's not unusual, so maybe Laressa can take another look at that. Mr. Pannucci said looking at the numbers, that's his guess.

Mrs. deLeon asked if the Fire Company meetings were open to the public. Mrs. Huhn said no.

Mrs. deLeon said the next meeting is June 18<sup>th</sup>, time TBD. Mrs. deLeon said this isn't a formal committee of the Council, it's an Ad-Hoc committee and it's governed by the Host Agreement. Do we do notices in the paper for when we meet? Mrs. Huhn said these aren't advertised. Mrs. deLeon said in the past if a resident wanted to attend, we never had a problem with that, but we asked out of courtesy to the landfill, if they would mind if this person would come. We met at the landfill, then we had a resident barge in and it was not a nice meeting, then it was scary to go to meetings there. Then we moved it to the Township and it was always at 1:00 p.m. Mr. Hijazi said maybe someone should look at what's governing this meeting here with the Host Agreement and see the language. Mrs. deLeon said she's pretty sure it said we must meet once a month. Mr. Hijazi said maybe read that agreement to see if there's any specific location. Mrs. Huhn said it says "The Landfill Committee shall consist of two Eastern representatives, and two residents from the Township. The Landfill Committee shall meet monthly or at such other intervals as mutually agreed upon by the Landfill Committee members and shall have the discretion to set its own meeting schedules and administrative procedures as the Landfill Committee deems necessary. The Landfill Committee shall be authorized and requested to periodically monitor the Landfill operation and provide reports on the landfill operation to Eastern". That's what it says about meetings. Mrs. deLeon said it's important that we meet every month. She asked when the last time DEP was at their site. Mr. Pannucci said April 24<sup>th</sup>. Mrs. deLeon said and before that it was January. Mr. Lawson said January 9<sup>th</sup>. Mrs. deLeon said they aren't coming as often so we need some kind of oversight. It's really a shame, and she's sorry. Mr. Lawson said from what Leslie read, it's up to the Landfill Committee who sets the time and the place. Mrs. deLeon said you heard what Tom said, he'll have a Council motion and have three votes. Mrs. Huhn said wouldn't the Host Agreement have to be revised. Mr. Pannucci said correct. Mrs. deLeon said nobody is going to want to open up the Host Agreement. Mr. Hijazi said maybe we can try and do it in the evening and see if there is any interest. Mrs. deLeon said we'll do it for three months and see what happens. Mr. Pannucci said if it's going to be at 6 p.m. and a productive meeting where residents come in and voice their opinions in a respectful manner, they are okay with that. But if it turns into a screaming match, they are not going to be on board with that. Mrs. deLeon said it wouldn't be productive to ask Linc to read that section of the Host Agreement, but then do we want to stir that up. We have other things going on right now. It's summertime and Leslie has to give up another night for this meeting and she's at the Township many nights. Mrs. Huhn said maybe the compromise is try a meeting and she thinks we are still going to be in the yellow and try the June meeting at 6:00 p.m. and that way we can get the information out there. Mrs. deLeon said the Township will have to do the Constant reminder and maybe somebody can put together an agenda and use that as the base for our meetings. Usually we get the LST Meeting Notes the day before, and we should let our residents know three days before.

Mr. Hijazi said are all Township meetings open to the public. Mrs. deLeon said the majority of the meetings are. The Pension Committee is at 11 a.m. and that's employee pensions. Mr. Hijazi said not all meetings are open to the public. Can he go into a staff meeting? Mrs. Huhn said yes and no. We do have people join us if it's a project and

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it's a developer. As an example, if we are meeting with John Blair, can anyone come in - no, it's not really open to the public, it's a staff meeting.

Mr. Hijazi said someone has to look into the Host Agreement for these answers. Mrs. Huhn said good points, she doesn't know what the intent was when this was created, but having two resident committee members is the representation of the residents. We've had the Economic Task Force and it had a dozen residents, but she doesn't think it was open to the public. Mrs. deLeon said it was, but she was there as a Council member. Mrs. Huhn said if you do open it up, then you are saying you are sitting there as an observer, not as a person providing information or thoughts. Mrs. deLeon said you could get five irate people in the meeting, we don't have police in the meeting. She thinks this needs to be passed on to someone. In 1988, she was reading people were drinking polluted water and she freaked out, then she started the committee and we've been working together all these years. It was not open to the public and then when the landfill expanded, we said if residents wanted to come and ask questions, they could.

Mr. Hijazi said we are a creature of habit, we like it at this time. It's not fair to put the landfill in the middle of this. Mr. Brown asked Mrs. Huhn to send that part of the Host Agreement to Mr. Hijazi. Mrs. deLeon said the Township is very good at putting all the landfill information on the website. It's all broken up and the Host Agreement is on the website also. She doesn't know how much more open we can be. Mr. Lawson said they are always open for communication to the residents or anyone at the Township.

The next meeting is on Thursday, June 18, 2020, time to be determined.

**Bethlehem Landfill Company  
LST Committee Meeting Notes April 2020  
May 21, 2020**

**Agenda Items**

**I. Waste Activities**

Monthly Tonnages

	February	March	April
MSW	23,895.47	23,525.30	27,660.89
C&D	3,876.36	5,013.90	4,615.32
Residual (Total)	1,560.39	2,413.10	1,415.94
Asbestos	0.00	0.00	0.00
Sewage Sludge (90/10)	90.60	99.10	160.57
Out of state (Total)	20,829.83 (71%)	23,125.10 (74%)	21,694.90 (64%)
Recycle	11 (81%)	11 (91%)	13 (77%)

<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
Waverly Properties	Processed C&D (499)	5/19/20
NYSDOT	Contaminated Soil (507)	5/5/20
Boulivar Development, LLC	Contaminated Soil (506)	4/30/20
Village of Monticello WWTP	WWTP Sludge (201)	4/28/20
World Flavors, Inc.	Food Waste (430)	4/27/20
Provco Group	Asbestos Containing Waste (501)	4/21/20

**II. Annual Groundwater Trend Analysis**

Second quarter sampling event is scheduled for 5/26/20 – 5/28/20.

**III. Correspondence / Reports**

Quarterly Facility Report – Fourth Quarter 2019 (White Binder)

**IV. Landfill Operations**

Department of Environmental Protection Inspections

4/24/20 J. Cimera (Solid Waste)

Host Municipal Inspection

5/7/20 S. Brown  
5/21/20 S. Brown

<u>Commercial Waste Vehicles</u>	February	March	April
Total # Trucks	2,276	2,555	2,687
Overweight	73	76	78
Warnings	61	71	62
Suspensions	12	5	16

February – TT=64, RL=2, FL=1, DT=6 March – TT=51, RL=3, RO=1, DT=21 April – TT=75, RL=1, RO=1, DT=1

FL = front loader, RO = roll-off, TT=tractor trailer, RL = rear loader, DT = triaxial dump truck

Flare Operations and Gas Collection

**The LFG flare is the main GCCS. Bethlehem Landfill continues to communicate with SCS Field Services with any routine or non-routine maintenance to maximize LFG production and minimize odors.**

**April Average Flare Flow = 3,023 SCFM**

See times for flare shutdowns. Do not have Plant SSM forms yet

Beginning of event shutdown Flare	Date: 4/1/20	Time: 00:05	
End of event startup	Date: 4/1/20	Time: 00:22	Duration: 00:17min
Beginning of event shutdown Flare	Date: 4/1/20	Time: 05:57	
End of event startup	Date: 4/1/20	Time: 06:08	Duration: 00:11min
Beginning of event shutdown Flare	Date: 4/1/20	Time: 09:34	
End of event startup	Date: 4/1/20	Time: 09:46	Duration: 00:12min
Beginning of event shutdown Flare	Date: 4/1/20	Time: 10:32	
End of event startup	Date: 4/1/20	Time: 10:40	Duration: 00:08min
Beginning of event shutdown Flare	Date: 4/1/20	Time: 11:08	
End of event startup	Date: 4/1/20	Time: 11:41	Duration: 00:33min

Beginning of event shutdown Flare	Date: 4/8/20	Time: 11:36	
End of event startup	Date: 4/8/20	Time: 11:46	Duration: 00:10min
Beginning of event shutdown Flare	Date: 4/23/20	Time: 08:41	
End of event startup	Date: 4/23/20	Time: 08:46	Duration: 00:05min
Beginning of event shutdown Flare	Date: 4/26/20	Time: 07:16	
End of event startup	Date: 4/26/20	Time: 07:49	Duration: 00:33min
Beginning of event shutdown Flare	Date: 4/30/20	Time: 13:23	
End of event startup	Date: 4/30/20	Time: 13:28	Duration: 00:05min

Documentation is on file.

North Slope Road has not needed repairs. The swale has not needed repairs.

#### Abatement System

Abatement system continues to operate and discharge to the Bethlehem WWTP. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. AB-1 has been replaced with AB-1R. AB-1R is currently operational. Flow meter was replaced on AB-10.

#### Leachate collection

Flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed.

#### Radiation Monitoring

There was 1 radioactive load for April (I-131). This waste stream met level 1 requirements and was disposed of onsite.

#### SE Realignment Construction Activities

Waste operations are in SE-1B.

#### Complaints received by Waste Connections

See attached.

**BETHLEHEM LANDFILL**  
**LEACHATE DEMAND REPORT**  
**April 2020**

<u>Location</u>	<u>Total gallons</u>
LMC-6	18,264
LMC-7	25,225
LMC-8	143,148
PS-4	69,391
LMC-10	1,033,468
PS-1	250,846
PS-2	113,577
PS-3	219,757
Phase-IV	584,180

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, SE Realignment (PS-4), and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3 and LFG condensate.

**Total Discharge**

LMC-10	1,033,468
Phase IV	584,180
<b>TOTAL</b>	<b>1,617,648 gallons</b>

**Total Leachate**

Leachate	256,028
Phase IV	584,180
<b>TOTAL</b>	<b>840,208 gallons</b>

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).  
 Abatement System Flow = 777,440 gallons (Neptune Flow meters)

# BETHLEHEM LANDFILL

## GROUNDWATER DEMAND REPORT April 2020

<b>Well No.</b>	<b>Water Level (avg. ft SWL*)</b>	<b>Flow (avg. GPM) (Total gal)</b>	
<b>AB-1 (AB-1R to Replace)</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
<b>AB-2</b>	<b>60.1</b>	<b>2.2</b>	<b>90,445</b>
<b>AB-3</b>	<b>25.4</b>	<b>0.4</b>	<b>14,813</b>
<b>AB-4</b>	<b>70.1</b>	<b>0.0</b>	<b>305</b>
<b>AB-5</b>	<b>41.3</b>	<b>0.7</b>	<b>30,860</b>
<b>AB-6</b>	<b>44.1</b>	<b>3.6</b>	<b>150,571</b>
<b>AB-7</b>	<b>41.5</b>	<b>1.0</b>	<b>41,867</b>
<b>AB-8</b>	<b>6.6</b>	<b>0.0</b>	<b>0</b>
<b>AB-9</b>	<b>41.3</b>	<b>7.4</b>	<b>311,031</b>
<b>AB-10</b>	<b>84.3</b>	<b>3.3</b>	<b>137,548</b>
<b>TW-1</b>	<b>54.4</b>	<b>&lt;0.1</b>	<b>0.0</b>
<b>Total Flow</b>		<b>777,440 gallons</b>	

\*SWL above transducer set point

\* Per DEP approval well TW-1 was shut down September 14, 2009.

	TIME (days)	LMC-6 (Primary Flows)				LMC-7 (Primary Flows)				LMC-8 (Primary Flows)			
		TOTALIZER	GALLONS	LOW (gpc)	G/A/D	TOTALIZER	GALLONS	LOW (gpc)	G/A/D	TOTALIZER	GALLONS	LOW (gpc)	G/A/D
5/1/2019	7.00	2664369	16,854	2,408	153	4406533	5884	841	69	7,769,945	10930	1,561	269
5/10/2019	9.00	2685158	20,789	2,310	147	4414270	7737	860	70	7,784,469	14524	1,614	278
5/17/2019	7.00	2699233	14,075	2,011	128	4420917	6647	950	78	7,797,010	12541	1,792	309
5/23/2019	6.00	2710148	10,915	1,819	116	4426176	5259	877	72	7,807,571	10561	1,760	303
5/28/2019	5.00	2713182	3,034	607	39	4428676	2500	500	41	7,813,572	6001	1,200	207
6/5/2019	8.00	2730274	17,092	2,137	136	4434327	5651	706	58	7,826,345	12773	1,597	275
6/13/2019	8.00	2749382	19,108	2,389	152	4439837	5510	689	56	7,838,610	12265	1,533	264
6/20/2019	7.00	2751930	2,548	364	23	4444290	4453	636	52	7,849,768	11158	1,594	275
6/28/2019	8.00	2755174	3,244	406	26	4449531	5241	655	54	7,861,043	11275	1,409	243
7/1/2019	3.00	2765773	10,599	3,533	225	4451306	1775	592	48	7,864,310	3267	1,089	188
7/11/2019	10.00	2796263	30,490	3,049	194	4457119	5813	581	48	7,876,648	12338	1,234	213
7/16/2019	5.00	2812684	16,421	3,284	209	4459951	2832	566	46	7,878,992	2344	469	81
7/24/2019	8.00	2831870	19,186	2,398	153	4463593	3642	455	37	7,886,403	7411	926	160
7/30/2019	6.00	2843280	11,410	1,902	121	4467209	3616	603	49	7,896,140	9737	1,623	280
8/6/2019	7.00	2850243	6,963	995	63	4472476	5267	752	62	7,909,399	13259	1,894	327
8/15/2019	9.00	2856113	5,870	652	42	4476747	4271	475	39	7,917,866	8467	941	162
8/23/2019	8.00	7657	7,657	957	61	4486359	9612	1,202	98	7,938,076	20210	2,526	436
8/30/2019	7.00	13947	6,290	899	57	4490990	4631	662	54	7,949,696	11620	1,660	286
9/6/2019	7.00	19366	5,419	774	49	4495205	4215	602	49	7,960,462	10766	1,538	265
9/13/2019	7.00	24485	5,119	731	47	4499487	4282	612	50	7,971,110	10648	1,521	262
9/19/2019	6.00	28441	3,956	659	42	4503238	3751	625	51	7,979,832	8722	1,454	251
9/27/2019	8.00	32103	3,662	458	29	4505413	2175	272	22	7,984,431	4599	575	99
9/30/2019	3.00	35409	3,306	1,102	70	4509388	3975	1,325	109	7,995,900	11469	3,823	659
10/7/2019	7.00	35464	55	8	1	4512708	3320	474	39	8,005,007	9107	1,301	224
10/15/2019	8.00	38403	2,939	367	23	4515616	2908	364	30	8,017,447	12440	1,555	268
10/22/2019	7.00	40137	1,734	248	16	4517331	1715	245	20	8,024,712	7265	1,038	179
10/31/2019	9.00	52975	12,838	1,426	91	4519802	2471	275	23	8,050,591	25879	2,875	496
11/9/2019	9.00	53102	127	14	1	4521292	1490	166	14	8,070,360	19769	2,197	379
11/15/2019	6.00	54054	952	159	10	4522495	1203	201	16	8,087,848	17488	2,915	503
11/18/2019	3.00	54644	590	197	13	4523014	519	173	14	8,091,288	3440	1,147	198
11/26/2019	8.00	54711	67	8	1	4524071	1057	132	11	8,102,133	10845	1,356	234
12/3/2019	7.00	64374	9,663	1,380	88	4525231	1160	166	14	8,135,003	32870	4,696	810
12/13/2019	10.00	70142	5,768	577	37	4526907	1676	168	14	8,165,339	30336	3,034	523
12/18/2019	5.00	75331	5,189	1,038	66	4528047	1140	228	19	8,193,507	28168	5,634	971
12/23/2019	5.00	79449	4,118	824	52	4530718	2671	534	44	8,209,321	15814	3,163	545
12/31/2019	8.00	80508	1,059	132	8	4531027	309	39	3	8,223,899	14578	1,822	314
1/9/2020	9.00	86103	5,595	622	40	4533683	2656	295	24	8,254,367	30468	3,385	584
1/16/2020	7.00	103734	17,631	2,519	160	4535796	2113	302	25	8,272,539	18172	2,596	448
1/20/2020	4.00	105431	1,697	424	27	4537200	1404	351	29	8,283,908	11369	2,842	490
1/31/2020	11.00	113861	8,430	766	49	4540849	3649	332	27	8,313,691	29783	2,708	467
2/7/2020	7.00	117498	3,637	520	33	4543848	2999	428	35	8,332,956	19265	2,752	475
2/14/2020	7.00	121469	3,971	567	36	4552157	8309	1,187	97	8,349,090	16134	2,305	397
2/19/2020	5.00	124541	3,072	614	39	4555094	2937	587	48	8,374,124	25034	5,007	863
2/28/2020	9.00	146708	22,167	2,463	157	4566735	11641	1,293	106	8,381,062	6938	771	133
3/2/2020	3.00	148953	2,245	748	48	4571049	4314	1,438	118	8,385,856	4794	1,598	276
3/13/2020	11.00	149853	900	82	5	4593751	22702	2,064	169	8,392,624	6768	615	106
3/18/2020	5.00	157742	7,889	1,578	100	4598740	4989	998	82	8,400,322	7698	1,540	265
3/26/2020	8.00	159833	2,091	261	17	4606185	7445	931	76	8,413,432	13110	1,639	283
3/31/2020	5.00	163103	3,270	654	42	4611095	4910	982	80	8,422,401	8969	1,794	309
4/7/2020	7.00	167821	4,718	674	43	4617547	6452	922	76	8,434,428	12027	1,718	296
4/17/2020	10.00	172123	4,302	430	27	4624643	7096	710	58	8,449,402	14974	1,497	258
4/20/2020	3.00	175212	3,089	1,030	66	4628910	4267	1,422	117	8,458,653	9251	3,084	532
4/29/2020	9.00	179941	4,729	525	33	4636320	7410	823	67	8,475,463	16810	1,868	322

ESI/PA BETHLEHEM LANDFILL CORP.

A	B	C	D	E	F	J	K	L	M	O	R	S	T
	TIME (days)	TOTALIZER	LMC-6 (Secondary Flows) GALLONS	FLOW (gpd)	G/AD	TOTALIZER	LMC-7 (Secondary Flows) GALLONS	FLOW (gpd)	G/AD	TOTALIZER	LMC-8 (Secondary Flows) GALLONS	LOW (gpd)	G/AD
1024													
1025													
1092	5/1/2019	1993276	7,610	1,087	69	2234430	5	1	0	6,884,772	14398	2,057	355
1093	5/10/2019	2000276	7,000	778	50	2235022	592	66	66	6,709,960	25188	2,799	483
1094	5/17/2019	2007276	7,000	1,000	64	2235022	0	0	0	6,737,841	27881	3,983	687
1095	5/23/2019	2014276	7,000	1,167	74	2235022	0	0	0	6,752,979	15138	2,523	435
1096	5/28/2019	2021276	7,000	1,400	89	2235022	0	0	0	6,760,120	7141	1,428	246
1097	6/5/2019	2028276	7,000	875	56	2235022	0	0	0	6,767,412	7292	912	157
1098	6/12/2019	2035276	7,000	875	56	2425304	190282	23,785	1,950	6,772,651	5239	655	113
1099	6/20/2019	2042276	7,000	1,000	64	2425304	0	0	0	6,779,548	6897	985	170
1100	6/29/2019	2049276	7,000	875	56	2425304	0	0	0	6,785,245	5697	712	123
1101	7/1/2019	2056276	7,000	2,333	149	2425304	0	0	0	6,793,111	7866	2,622	452
1102	7/1/2019	2063276	7,000	700	45	2425304	0	0	0	6,798,458	6348	635	109
1103	7/16/2019	2070276	7,000	1,400	89	2425304	0	0	0	6,803,208	3749	750	129
1104	7/24/2019	2077276	7,000	875	56	2425304	0	0	0	6,817,235	14027	1,753	302
1105	7/30/2019	2084276	7,000	1,167	74	2425304	0	0	0	6,820,923	3688	615	106
1106	8/6/2019	2091276	7,000	1,000	64	2425304	0	0	0	6,824,380	3457	494	85
1107	8/15/2019	2098276	7,000	778	50	2425304	0	0	0	6,828,525	2145	238	41
1108	8/22/2019	3	0	3	0	2425304	0	0	0	6,827,443	918	115	20
1109	8/30/2019	3	0	0	0	2425304	0	0	0	6,827,533	90	13	2
1110	9/6/2019	3	0	0	0	2425304	0	0	0	6,828,758	1225	175	30
1111	9/13/2019	31	28	4	0	2425304	0	0	0	6,829,448	690	115	20
1112	9/19/2019	5745	5,714	952	61	2425304	0	0	0	6,835,148	5700	713	123
1113	9/27/2019	5746	1	1	0	2425304	0	0	0	6,839,448	690	115	20
1114	9/30/2019	5746	0	0	0	2425304	0	0	0	6,836,137	989	330	57
1115	10/7/2019	7716	1,970	281	18	2425304	0	0	0	6,837,189	1052	150	26
1116	10/15/2019	8015	298	37	2	2425304	0	0	0	6,839,252	2063	258	44
1117	10/22/2019	8211	198	28	2	2425304	0	0	0	6,840,027	779	111	19
1118	10/31/2019	8748	8748	535	59	2425304	0	0	0	6,844,454	4427	492	85
1119	11/6/2019	8975	129	14	1	2425304	0	0	0	6,874,132	29678	3,298	569
1120	11/15/2019	9138	263	44	3	2425304	0	0	0	6,874,370	238	40	7
1121	11/19/2019	9215	77	26	2	2425304	0	0	0	6,874,970	600	200	34
1122	11/26/2019	9231	16	2	0	2425304	0	0	0	6,875,041	71	9	2
1123	12/3/2019	9808	577	82	5	2425304	0	0	0	6,890,783	15742	2,249	388
1124	12/13/2019	10183	375	38	2	2425304	0	0	0	6,932,170	41387	4,139	714
1125	12/18/2019	10647	464	93	6	2425304	0	0	0	6,943,318	11148	2,230	384
1126	12/22/2019	10801	154	31	2	2425304	0	0	0	6,978,378	33060	6,612	1,140
1127	12/31/2019	10802	81	10	1	2425304	0	0	0	6,983,688	7310	914	158
1128	1/6/2020	11523	641	71	5	2425304	0	0	0	7,018,109	33501	4,786	825
1129	1/6/2020	11870	347	50	3	2425304	0	0	0	7,029,830	11721	2,930	505
1130	1/20/2020	12097	227	57	4	2425304	0	0	0	7,057,278	27449	2,495	430
1131	1/21/2020	12673	578	52	3	2425304	0	0	0	7,095,444	38165	5,452	940
1132	2/7/2020	13048	375	54	3	2425304	0	0	0	7,095,488	44	6	1
1133	2/14/2020	13425	317	54	3	2425304	0	0	0	7,103,141	7653	1,531	264
1134	2/19/2020	13741	376	63	4	2425304	0	0	0	7,144,016	40875	4,542	783
1135	2/26/2020	13800	59	7	0	2425304	0	0	0	7,160,691	16675	5,558	958
1136	3/2/2020	14326	526	175	11	2425304	0	0	0	7,160,717	26	2	0
1137	3/13/2020	14869	543	49	3	2425304	0	0	0	7,188,822	28205	5,641	973
1138	3/19/2020	15031	162	32	2	2425304	0	0	0	7,229,561	40639	5,080	876
1139	3/24/2020	15529	498	62	4	2425304	0	0	0	7,235,492	5931	1,186	205
1140	3/31/2020	15777	248	50	3	2425304	0	0	0	7,271,027	35535	5,076	875
1141	4/7/2020	16112	335	48	3	2425304	0	0	0	7,272,544	1517	152	26
1142	4/17/2020	16505	393	38	3	2425304	0	0	0	7,305,255	32711	10,904	1,880
1143	4/29/2020	16760	255	85	5	2425304	0	0	0	7,325,578	20323	2,258	389
1144	4/29/2020	17203	443	49	3	2425304	0	0	0				

IESI BETHLEHEM LANDFILL

	A	B	C	D	E	F	H	I	J	K	M	N	O
866		TIME	Phase IV PS-1 (Secondary Flows)				Phase IV PS-1 (Primary flow)						sump
867		(days)	TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day			Totalizer	gallons	flow(gpd)	g/ac/day	inches
934	5/1/2019	7	427709	1633	233	9			57708054	42241	6034	232	20.8"
935	5/10/2019	9	433016	5307	590	23			57765925	57871	6430	247	17.4"
936	5/17/2019	7	438115	5099	728	28			57815139	49214	7031	270	15.9"
937	5/23/2019	6	440911	2796	466	18			57871478	56339	9390	361	23.1"
938	5/28/2019	5	442052	1141	228	9			57882566	11088	2218	85	22.9"
939	6/5/2019	8	446716	4664	583	22			57932871	50305	6288	242	23.2"
940	6/13/2019	8	451455	4739	592	23			57980063	47192	5899	227	19.8"
941	6/20/2019	7	457388	5933	848	33			58021627	41564	5938	228	21.7"
942	6/28/2019	8	462243	4855	607	23			58063965	42338	5292	204	21.0"
943	7/1/2019	3	465426	3183	1061	41			58087271	23306	7769	299	21.5"
944	7/11/2019	10	474667	9241	924	36			58146872	59601	5960	229	24.0"
945	7/16/2019	5	477526	2859	572	22			58189011	42139	8428	324	21.6"
946	7/24/2019	8	482019	4493	562	22			58251418	62407	7801	300	22.4"
947	7/30/2019	6	485154	3135	523	20			58306461	55043	9174	353	18.9"
948	8/6/2019	7	490422	5268	753	29			58367307	60846	8692	334	13.6"
949	8/15/2019	9	495099	4677	520	20			58422434	55127	6125	236	16.7"
950	8/23/2019	8	499871	4772	597	23			58488300	65866	8233	317	23.3"
951	8/30/2019	7	501925	2054	293	11			58526759	38459	5494	211	23.9"
952	9/5/2019	7	505437	3512	502	19			58566769	40010	5716	220	15.7"
953	9/13/2019	7	508667	3230	461	18			58602412	35643	5092	196	21.5"
954	9/19/2019	6	511026	2359	393	15			58635982	33570	5595	215	14.7"
955	9/27/2019	8	511838	812	102	4			58671134	35152	4394	169	20.1"
956	9/30/2019	3	511838	0	0	0			58696611	25477	8492	327	19.5"
957	10/7/2019	7	511838	0	0	0			58733041	36430	5204	200	19.5"
958	10/15/2019	8	519849	8011	1001	39			58775510	42469	5309	204	8.7"
959	10/22/2019	7	520043	194	28	1			58829110	53600	7657	295	8.1"
960	10/31/2019	9	521277	1234	137	5			58844747	15637	1737	67	8.5"
961	11/9/2019	9	521678	401	45	2			58883755	39008	4334	167	22.1"
962	11/15/2019	6	521678	0	0	0			58915415	31660	5277	203	8.5"
963	11/18/2019	3	521678	0	0	0			58925455	10040	3347	129	21.8"
964	11/26/2019	8	521678	0	0	0			58930245	4790	599	23	21.3"
965	12/3/2019	7	521678	0	0	0			58996053	65808	9401	362	18.3"
966	12/13/2019	10	521678	0	0	0			59034888	38835	3884	149	17.8"
967	12/18/2019	5	521678	0	0	0			59067543	32655	6531	251	18.1"
968	12/23/2019	5	521678	0	0	0			59097424	29881	5976	230	17.9"
969	1/9/2020	17	521678	0	0	0			59392717	295293	17370	668	21.7"
970	1/16/2020	7	521718	40	6	0			60772939	92494	13213	508	24.0"
971	1/20/2020	4	521792	74	19	1			60791604	18665	4666	179	21.9"
972	1/31/2020	11	522081	289	26	1			60839281	47677	4334	167	23.8"
973	2/7/2020	7	522343	262	37	1			60874300	35019	5003	192	18.1"
974	2/14/2020	7	522536	193	28	1			60910938	36638	5234	201	3.8"
975	2/19/2020	5	522547	11	2	0			60938943	28005	5601	215	3.9"
976	2/28/2020	9	522856	309	34	1			60977622	38679	4298	165	23.6"
977	3/2/2020	3	522916	60	20	1			60994698	17076	5692	219	16.4"
978	3/13/2020	11	523250	334	30	1			61049425	54727	4975	191	23.4"
979	3/18/2020	5	523352	102	20	1			61076976	27551	5510	212	21.5"
980	3/28/2020	8	523384	32	4	0			61206109	129133	16142	621	22.3"
981	3/31/2020	5	523567	183	37	1			61308672	102563	20513	789	15.9"
982	4/7/2020	7	523618	51	7	0			61359705	51033	7290	280	13.0"
983	4/17/2020	10	523671	53	5	0			61476748	117043	11704	450	16.4"
984	4/20/2020	3	523700	29	10	0			61504362	27614	9205	354	21.5"
985	4/29/2020	9	523720	20	2	0			61559365	55003	6111	235	18.9"

IESI BETHLEHEM LANDFILL

866	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
867	TIME	Phase IV PS-2 (Secondary Flows)				Phase IV PS-2 (Primary )							sump
	(days)	TOTALIZE	GALLONS	FLOW (gpd)	g/ac/day			Totalizer	gallons	flow(gpd)	g/ac/day	Inches	
934	5/1/2019	7	7138	0	0	0.0		21399235	57972	8282	781	29.9"	
935	5/10/2019	9	7138	0	0	0.0		21444235	45000	5000	472	34.1"	
936	5/17/2019	7	7138	0	0	0.0		21489235	45000	6429	606	31.4"	
937	5/23/2019	6	7138	0	0	0.0		21534235	45000	7500	708	29.9"	
938	5/28/2019	5	7138	0	0	0.0		21579235	45000	9000	849	29.7"	
939	6/5/2019	8	7161	23	3	0.3		21168712	-410523	-51315	-4841	3.7"	
940	6/13/2019	8	7161	0	0	0.0		21193657	24945	3118	294	4.7"	
941	6/20/2019	7	7161	0	0	0.0		21203611	9954	1422	134	5.9"	
942	6/28/2019	8	7161	0	0	0.0		21209278	5667	708	67	6.5"	
943	7/1/2019	3	7161	0	0	0.0		21244305	35027	11676	1101	6.5"	
944	7/11/2019	10	7161	0	0	0.0		21272410	28105	2811	265	7.2"	
945	7/16/2019	5	7161	0	0	0.0		21291982	19572	3914	369	7.1"	
946	7/24/2019	8	7161	0	0	0.0		21313201	21219	2652	250	7.1"	
947	7/30/2019	6	7161	0	0	0.0		21325920	12719	2120	200	7.2"	
948	8/6/2019	7	7161	0	0	0.0		21332564	6644	949	90	7.3"	
949	8/15/2019	9	7161	0	0	0.0		21343052	10488	1165	110	3.4"	
950	8/23/2019	8	7161	0	0	0.0		21460217	117165	14646	1382	3.6"	
951	8/30/2019	7	7210	49	7	0.7		21498716	38499	5500	519	2.5"	
952	9/6/2019	7	7210	0	0	0.0		21531663	32947	4707	444	2.5"	
953	9/13/2019	7	7210	0	0	0.0		21563949	32286	4612	435	2.5"	
954	9/19/2019	6	7210	0	0	0.0		21591096	27147	4525	427	2.5"	
955	9/27/2019	8	7210	0	0	0.0		21597081	5985	748	71	2.4"	
956	9/30/2019	3	7210	0	0	0.0		21642027	44946	14982	1413	2.5"	
957	10/7/2019	7	7210	0	0	0.0		21673491	31464	4495	424	2.6"	
958	10/15/2019	8	7210	0	0	0.0		21703033	29542	3693	348	2.5"	
959	10/22/2019	7	7210	0	0	0.0		21763421	60388	8627	814	3.1"	
960	10/31/2019	9	7210	0	0	0.0		21773029	9608	1068	101	3.1"	
961	11/9/2019	9	7210	0	0	0.0		21816870	43841	4871	460	3.3"	
962	11/15/2019	6	7210	0	0	0.0		21841826	24956	4159	392	3.2"	
963	11/18/2019	3	7210	0	0	0.0		21854481	12655	4218	398	3.1"	
964	11/26/2019	8	7210	0	0	0.0		21860041	5560	695	66	2.9"	
965	12/3/2019	7	7263	53	8	0.7		21907112	47071	6724	634	3.6"	
966	12/13/2019	10	7263	0	0	0.0		21948045	40933	4093	386	4.0"	
967	12/18/2019	5	7263	0	0	0.0		21979040	30995	6199	585	3.9"	
968	12/23/2019	5	7263	0	0	0.0		21988606	9566	1913	180	4.0"	
969	1/9/2020	17	7263	0	0	0.0		22073720	85114	5007	472	4.1"	
970	1/16/2020	7	7263	0	0	0.0		22101039	27319	3903	368	4.0"	
971	1/20/2020	4	7263	0	0	0.0		22117251	16212	4053	382	4.1"	
972	1/31/2020	11	7263	0	0	0.0		22159215	41964	3815	360	4.5"	
973	2/7/2020	7	7263	0	0	0.0		22189631	30416	4345	410	4.5"	
974	2/14/2020	7	7263	0	0	0.0		22223467	33836	4834	456	5.6"	
975	2/19/2020	5	7263	0	0	0.0		22227486	4019	804	76	5.3"	
976	2/28/2020	9	7263	0	0	0.0		22318120	90634	10070	950	5.3"	
977	3/2/2020	3	7263	0	0	0.0		22355010	36890	12297	1160	5.2"	
978	3/13/2020	11	7263	0	0	0.0		22383929	28919	2629	248	4.7"	
979	3/18/2020	5	7263	0	0	0.0		22403059	19130	3826	361	4.4"	
980	3/26/2020	8	7263	0	0	0.0		22431833	28774	3597	339	4.8"	
981	3/31/2020	5	7263	0	0	0.0		22451677	19844	3969	374	5.1"	
982	4/7/2020	7	7263	0	0	0.0		22480883	29206	4172	394	5.1"	
983	4/17/2020	10	7263	0	0	0.0		22511958	31075	3108	293	5.1"	
984	4/20/2020	3	7263	0	0	0.0		22532039	20081	6694	631	5.3"	
985	4/29/2020	9	7263	0	0	0.0		22565254	33215	3691	348	5.4"	

IESI BETHLEHEM LANDFILL

	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	
866	Phase IV PS-3 (Secondary)					Phase IV PS-3 (Primary)								sump
867	Date	days	totalizer	gallon	flow(gpd)	g/ac/day			totalizer	gallons	flow(gpd)	g/ac/day	inches	
934	5/1/2019	7	43718	0	0	0			10813348	13429	1918	462	17.9"	
935	5/10/2019	9	43718	0	0	0			10840079	26731	2970	716	25.1"	
936	5/17/2019	7	43718	0	0	0			10906158	66079	9440	2275	16.3"	
937	5/23/2019	6	43718	0	0	0			11010719	104561	17427	4199	20.1"	
938	5/28/2019	5	43722	4	1	0			11012129	1410	282	68	18.9"	
939	6/5/2019	8	43736	14	2	0			11058072	45943	5743	1384	15.5"	
940	6/13/2019	8	43736	0	0	0			11091919	33847	4231	1019	20.2"	
941	6/20/2019	7	43736	0	0	0			11117289	25370	3624	873	25.7"	
942	6/28/2019	8	43736	0	0	0			11143077	25788	3224	777	23.1"	
943	7/1/2019	3	43736	0	0	0			11178444	35367	11789	2841	23.4"	
944	7/11/2019	10	43736	0	0	0			11235487	57043	5704	1375	16.4"	
945	7/16/2019	5	43736	0	0	0			11252551	17064	3413	822	20.6"	
946	7/24/2019	8	43736	0	0	0			11328050	75499	9437	2274	27.3"	
947	7/30/2019	6	43736	0	0	0			11379440	51390	8565	2064	16.6"	
948	8/6/2019	7	43736	0	0	0			11424479	45039	6434	1550	25.7"	
949	8/15/2019	9	43736	0	0	0			11443070	18591	2066	498	16.5"	
950	8/23/2019	8	43736	0	0	0			11490596	47526	5941	1432	26.2"	
951	8/30/2019	7	43750	14	2	0			11513300	22704	3243	782	16.4"	
952	9/6/2019	7	43758	8	1	0			11534203	20903	2986	720	15.8"	
953	9/13/2019	7	43758	0	0	0			11556100	21897	3128	754	15.1"	
954	9/19/2019	6	43758	0	0	0			11576313	20213	3369	812	18.9"	
955	9/27/2019	8	43758	0	0	0			11599711	23398	2925	705	21.2"	
956	9/30/2019	3	43758	0	0	0			11611153	11442	3814	919	22.5"	
957	10/7/2019	7	43997	239	34	3			11630409	19256	2751	663	25.9"	
958	10/15/2019	8	43997	0	0	0			11652565	22156	2770	667	24.5"	
959	10/22/2019	7	43997	0	0	0			11693441	40876	5839	1407	22.1"	
960	10/31/2019	9	43997	0	0	0			11714501	21060	2340	564	21.0"	
961	11/9/2019	9	43997	0	0	0			11787041	72540	8060	1942	17.9"	
962	11/15/2019	6	43997	0	0	0			11832455	45414	7569	1824	23.2"	
963	11/18/2019	3	43999	2	1	0			11884455	52000	17333	4177	21.3"	
964	11/26/2019	8	44050	51	6	1			11891022	6567	821	198	21.4"	
965	12/3/2019	7	44835	785	112	11			11921991	30969	4424	1066	27.2"	
966	12/13/2019	10	44835	0	0	0			11988929	66938	6694	1613	21.3"	
967	12/18/2019	5	44836	1	0	0			12019804	30875	6175	1488	21.1"	
968	12/23/2019	5	44836	0	0	0			12027360	7556	1511	364	21.3"	
969	1/9/2020	17	44836	0	0	0			12254762	227402	13377	3223	15.5"	
970	1/16/2020	7	44842	6	1	0			12294996	40234	5748	1385	21.5"	
971	1/20/2020	4	44842	0	0	0			12320670	25674	6419	1547	18.1"	
972	1/30/2020	10	44842	0	0	0			12373955	53285	5329	1284	21.2"	
973	2/7/2020	8	44842	0	0	0			12386988	13033	1629	393	18.1"	
974	2/14/2020	7	44842	0	0	0			12401058	14070	2010	484	27.4"	
975	2/19/2020	5	44842	0	0	0			12407059	6001	1200	289	27.1"	
976	2/28/2020	9	44842	0	0	0			12480224	73165	8129	1959	23.0"	
977	3/2/2020	3	44842	0	0	0			12500429	20205	6735	1623	23.0"	
978	3/13/2020	11	44842	0	0	0			12578488	78059	7096	1710	25.1"	
979	3/18/2020	5	44842	0	0	0			12613564	35076	7015	1690	27.4"	
980	3/26/2020	8	44863	21	3	0			12665856	52292	6537	1575	25.4"	
981	3/31/2020	5	44863	0	0	0			12700297	34441	6888	1660	23.2"	
982	4/7/2020	7	44863	0	0	0			12753137	52840	7549	1819	16.4"	
983	4/17/2020	10	44863	0	0	0			12817553	64416	6442	1552	24.2"	
984	4/20/2020	3	44863	0	0	0			12859101	41548	13849	3337	20.4"	
985	4/29/2020	9	44863	0	0	0			12920054	60953	6773	1632	25.9"	

IESI BETHLEHEM LANDFILL

	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
865	Phase IV PS-4 (Secondary)												
866	Date	days	totalizer	gallon	flow(gpd)	g/ac/day	Phase IV PS-4 (Primary)						sump
867									totalizer	gallons	flow(gpd)	g/ac/day	inches
934	5/1/2019	7	2347	0	0	0			3206530	91193	13028	3139	22.5"
935	5/10/2019	9	3177	830	92	9			3344706	138176	15353	3699	24.5"
936	5/17/2019	7	4100	923	132	12			3467360	122654	17522	4222	17.5"
937	5/23/2019	6	5025	925	154	15			3498223	30863	5144	1239	24.7"
938	5/28/2019	5	5025	0	0	0			3539718	41495	8299	2000	25.3"
939	6/5/2019	8	5867	842	105	10			3609010	69292	8662	2087	16.4"
940	6/13/2019	8	5867	0	0	0			3631923	22913	2864	690	23.3"
941	6/20/2019	7	5867	0	0	0			3713591	81668	11667	2811	20.4"
942	6/28/2019	8	5867	0	0	0			3759324	45733	5717	1378	18.0"
943	7/1/2019	3	7204	1337	446	42			3767723	8399	2800	675	17.0"
944	7/11/2019	10	8125	921	92	9			4498897	731174	73117	17619	26.1"
945	7/16/2019	5	8592	467	93	9			4923581	424684	84937	20467	18.4"
946	7/24/2019	8	8592	0	0	0			5664842	741261	92658	22327	30"
947	7/30/2019	6	9032	440	73	7			5733986	69144	11524	2777	22"
948	8/6/2019	7	9032	0	0	0			5754642	20556	2951	711	24.3"
949	8/15/2019	9	9032	0	0	0			5765687	11045	1227	296	24.4"
950	8/23/2019	8	9032	0	0	0			6038789	273102	34138	8226	28.1"
951	8/30/2019	7	9116	84	12	1			6134265	95476	13639	3287	20.6"
952	9/6/2019	7	9189	73	10	1			6147998	13733	1962	473	22.1"
953	9/13/2019	7	9191	2	0	0			6159500	11502	1643	396	29.2"
954	9/19/2019	6	9191	0	0	0			6168665	9165	1528	368	24.6"
955	9/27/2019	8	9191	0	0	0			6171665	3000	375	90	29.7"
956	9/30/2019	3	9191	0	0	0			6182314	10649	3550	855	30.8"
957	10/7/2019	7	9191	0	0	0			6196175	13861	1980	477	25.5"
958	10/15/2019	8	9191	0	0	0			6226108	29933	3742	902	28.5"
959	10/22/2019	7	9394	203	29	3			6246068	19960	2851	687	22.3"
960	10/31/2019	9	9618	224	25	2			6260571	14503	1611	388	21.3"
961	11/9/2019	9	9619	1	0	0			6294895	34324	3814	919	28"
962	11/15/2019	6	9619	0	0	0			6303289	8394	1399	337	16.4"
963	11/18/2019	3	9619	0	0	0			6307164	3875	1292	311	17.8"
964	11/26/2019	8	9619	0	0	0			6316287	9123	1140	275	21.1"
965	12/3/2019	7	9683	64	9	1			6339235	22948	3278	790	29.3"
966	12/13/2019	10	10,108	425	43	4			6388537	49302	4930	1188	29.4"
967	12/18/2019	5	10546	438	88	8			6423205	34668	6934	1671	28.7"
968	12/23/2019	5	10546	0	0	0			6434183	10978	2196	529	28.1"
969	1/9/2020	17	10546	0	0	0			6518668	84485	4970	1198	28.0"
970	1/16/2020	7	10623	77	11	1			6534974	16306	2329	561	28.6"
971	1/20/2020	4	10665	42	11	1			6544237	9263	2316	558	27.1"
972	1/31/2020	11	10733	68	6	1			6579233	34996	3181	767	14.5"
973	2/7/2020	7	11209	476	68	6			6595381	16148	2307	556	30.7"
974	2/14/2020	7	11233	24	3	0			6640266	44885	6412	1545	20.5"
975	2/19/2020	5	11233	0	0	0			6648284	8018	1604	386	22.1"
976	2/28/2020	9	11298	65	7	1			6683501	35217	3913	943	17.3"
977	3/2/2020	3	11298	0	0	0			6688138	4637	1546	372	29.5"
978	3/13/2020	11	11299	1	0	0			6711572	23434	2130	513	14.0"
979	3/18/2020	5	11299	0	0	0			6718305	6733	1347	324	25.2"
980	3/26/2020	8	11299	0	0	0			6739269	20964	2621	631	15.7"
981	3/31/2020	5	11679	380	76	7			6753055	13786	2757	664	30.8"
982	4/7/2020	7	11730	51	7	1			6769035	15980	2283	550	23.0"
983	4/17/2020	10	11730	0	0	0			6790083	21048	2105	507	28.7"
984	4/20/2020	3	11730	0	0	0			6803901	13818	4606	1110	13.2"
985	4/29/2020	9	11730	0	0	0			6822395	18494	2055	495	27.0"

# Bethlehem Landfill Odor Complaint Log (2335 Applebutter Rd, Bethlehem, PA 18017)

Date	Time	Address	Weather Data (Allentown (KABE))			Distance from Landfill (miles)	Wind (out of)	Residence / Drive-by Description / Notes	Gas Management Data			Date of Initial Response	Addressed in Insp Report Dated
			Temperature	Skies	Wind (out of)				Flare (scfm)	BRE (scfm)	Total (scfm)		
01/07/20	8:53	Saucon Ave., Steel City				0.893		Residence	Landfill gas odor detected on property			1/9/2020	1/9/20 (WMM)
01/07/20	10:52	Johnston Ave., Steel City				1.170		Residence	Slight gas odor that is intermittent.			1/9/2020	1/9/20 (WMM)
01/14/20	9:30	Johnston Ave., Steel City				1.170		Residence	Slight gas odor at ~9:30 AM - 10:55 AM on property			1/31/2020	4/24/20 (WMM)
01/23/20	8:23	Saucon Ave., Steel City				0.883		Residence	Went to let dog out & when opened door can smell landfill gas. It is strong now, but complainant is on their way out.			1/31/2020	4/24/20 (WMM)
01/23/20	9:01	Johnston Ave., Steel City				1.170		Residence	Gas odor on property, noticed when went outside to start car. Complainant is on their way out.			1/31/2020	4/24/20 (WMM)
01/24/20	18:09	Johnston Ave., Steel City				1.170		Residence	Landfill gas odor, has been going on for 2 hours.			1/31/2020	4/24/20 (WMM)
01/30/20	17:59	Jefferson Ave., Steel City				0.839		Residence	The landfill gas is horrible on property.			1/31/2020	4/24/20 (WMM)
01/30/20	18:10	Johnston Ave., Steel City				1.170		Residence	The odor of landfill gas is very strong on property			1/31/2020	4/24/20 (WMM)
01/30/20	18:18	Saucon Ave., Steel City				0.883		Residence	Landfill odors on property for the past 5 min.			1/31/2020	4/24/20 (WMM)
01/30/20	18:19	Miscell Ave., Steel City				0.796		Residence	Landfill gas smell is very strong for the last couple of hours on property			1/31/2020	4/24/20 (WMM)
01/31/20	14:12	Johnston Ave., Steel City				1.170		Residence	There is a slight landfill gas odor again today on property			2/5/2020	4/24/20 (WMM)
02/05/20	20:20	Saucon Ave., Steel City				0.893		Residence	There is a terrible landfill odor tonight that can be detected on their property			2/6/2020	4/24/20 (WMM)
03/03/20	13:28	Johnston Ave., Steel City				1.170		Residence	Detected a gas odor on property from the landfill			3/5/2020	4/24/20 (WMM)
03/05/20	7:17	Johnston Ave., Steel City				0.980		Residence	Smelled a garbage/gas odor on property			3/5/2020	4/24/20 (WMM)
03/24/20	18:58	Saucon Ave., Steel City				0.883		Residence	Horrible landfill gas odor on property			4/24/2020	4/24/20 (WMM)
04/29/20	16:34	Johnston Ave., Steel City				1.170		Residence	Landfill gas odor at home. Has been going on for 5 hours.			5/13/2020	
05/06/20	12:29	Johnston Ave., Steel City				1.170		Residence	Strong landfill gas odor on property			5/13/2020	
05/18/20	14:51	Jefferson Ave., Steel City				0.839		Residence	Strong gas odor on property				